



wwPDB X-ray Structure Validation Summary Report ⓘ

Apr 5, 2026 – 02:11 PM UTC

PDB ID : 8SLC / pdb_00008slc
Title : High Affinity nanobodies against GFP
Authors : Ketaren, N.E.; Rout, M.P.; Bonanno, J.B.; Almo, S.C.
Deposited on : 2023-04-21
Resolution : 2.97 Å(reported)

This is a wwPDB X-ray Structure Validation Summary Report for a publicly released PDB entry.

We welcome your comments at validation@mail.wwpdb.org

A user guide is available at

<https://www.wwpdb.org/validation/2017/XrayValidationReportHelp>

with specific help available everywhere you see the ⓘ symbol.

The types of validation reports are described at

<http://www.wwpdb.org/validation/2017/FAQs#types>.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4-5-2 with Phenix2.0
Mogul : 2022.3.0, CSD as543be (2022)
Xtrriage (Phenix) : 2.0
EDS : 3.0
Percentile statistics : 20250101.v01 (using entries in the PDB archive January 1st 2025)
CCP4 : 9.0.010 (Gargrove)
Density-Fitness : 1.0.12
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : 2.49

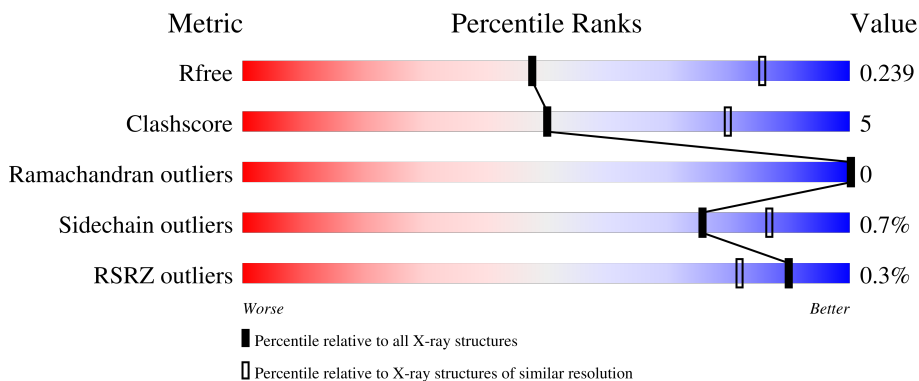
1 Overall quality at a glance

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.97 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	180053	3580 (3.00-2.96)
Clashscore	190562	3904 (3.00-2.96)
Ramachandran outliers	187476	3761 (3.00-2.96)
Sidechain outliers	187428	3764 (3.00-2.96)
RSRZ outliers	180081	3579 (3.00-2.96)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments of the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria respectively. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	253	 79% 11% 9%
1	B	253	 80% 9% 9%
2	C	148	 74% 10% 14%
2	D	148	 75% 9% 14%

2 Entry composition [i](#)

There are 6 unique types of molecules in this entry. The entry contains 11023 atoms, of which 5385 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called Green fluorescent protein.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
1	A	229	3594	1166	1763	311	348	6	0	0	0
1	B	229	3593	1164	1765	310	348	6	0	0	0

There are 46 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	0	MET	-	initiating methionine	UNP P42212
A	1	ALA	-	expression tag	UNP P42212
A	66	CR2	SER	chromophore	UNP P42212
A	66	CR2	TYR	chromophore	UNP P42212
A	66	CR2	GLY	chromophore	UNP P42212
A	72	ALA	SER	conflict	UNP P42212
A	177	HIS	GLN	conflict	UNP P42212
A	239	GLY	-	expression tag	UNP P42212
A	240	LEU	-	expression tag	UNP P42212
A	241	GLU	-	expression tag	UNP P42212
A	242	VAL	-	expression tag	UNP P42212
A	243	LEU	-	expression tag	UNP P42212
A	244	PHE	-	expression tag	UNP P42212
A	245	GLN	-	expression tag	UNP P42212
A	246	GLY	-	expression tag	UNP P42212
A	247	PRO	-	expression tag	UNP P42212
A	248	SER	-	expression tag	UNP P42212
A	249	HIS	-	expression tag	UNP P42212
A	250	HIS	-	expression tag	UNP P42212
A	251	HIS	-	expression tag	UNP P42212
A	252	HIS	-	expression tag	UNP P42212
A	253	HIS	-	expression tag	UNP P42212
A	254	HIS	-	expression tag	UNP P42212
B	0	MET	-	initiating methionine	UNP P42212
B	1	ALA	-	expression tag	UNP P42212

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Chain	Residue	Modelled	Actual	Comment	Reference
B	66	CR2	SER	chromophore	UNP P42212
B	66	CR2	TYR	chromophore	UNP P42212
B	66	CR2	GLY	chromophore	UNP P42212
B	72	ALA	SER	conflict	UNP P42212
B	177	HIS	GLN	conflict	UNP P42212
B	239	GLY	-	expression tag	UNP P42212
B	240	LEU	-	expression tag	UNP P42212
B	241	GLU	-	expression tag	UNP P42212
B	242	VAL	-	expression tag	UNP P42212
B	243	LEU	-	expression tag	UNP P42212
B	244	PHE	-	expression tag	UNP P42212
B	245	GLN	-	expression tag	UNP P42212
B	246	GLY	-	expression tag	UNP P42212
B	247	PRO	-	expression tag	UNP P42212
B	248	SER	-	expression tag	UNP P42212
B	249	HIS	-	expression tag	UNP P42212
B	250	HIS	-	expression tag	UNP P42212
B	251	HIS	-	expression tag	UNP P42212
B	252	HIS	-	expression tag	UNP P42212
B	253	HIS	-	expression tag	UNP P42212
B	254	HIS	-	expression tag	UNP P42212

- Molecule 2 is a protein called LaG43.

Mol	Chain	Residues	Atoms						ZeroOcc	AltConf	Trace
			Total	C	H	N	O	S			
2	C	127	1883	611	914	171	183	4	0	0	0
2	D	127	1888	614	916	169	185	4	0	0	0

- Molecule 3 is GLYCEROL (CCD ID: GOL) (formula: C₃H₈O₃).



Mol	Chain	Residues	Atoms				ZeroOcc	AltConf
3	A	1	Total	C	H	O	0	0
			13	3	7	3		
3	B	1	Total	C	H	O	0	0
			13	3	7	3		
3	B	1	Total	C	H	O	0	0
			13	3	7	3		
3	C	1	Total	C	H	O	0	0
			12	3	6	3		

- Molecule 4 is CHLORIDE ION (CCD ID: CL) (formula: Cl).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
4	A	1	Total	Cl	0	0
			1	1		
4	C	2	Total	Cl	0	0
			2	2		
4	D	1	Total	Cl	0	0
			1	1		

- Molecule 5 is SODIUM ION (CCD ID: NA) (formula: Na).

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	1	Total	Na	0	0
			1	1		


- Molecule 6 is water.

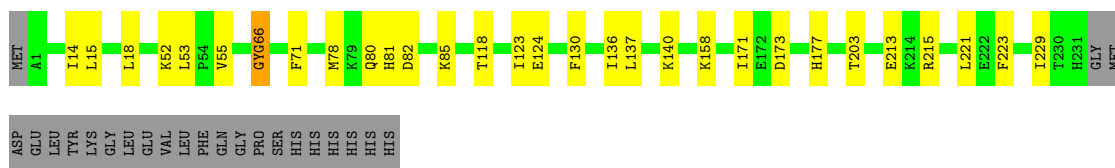
Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
6	A	3	Total O 3 3	0	0
6	B	2	Total O 2 2	0	0
6	C	2	Total O 2 2	0	0
6	D	2	Total O 2 2	0	0

3 Residue-property plots [i](#)


These plots are drawn for all protein, RNA, DNA and oligosaccharide chains in the entry. The first graphic for a chain summarises the proportions of the various outlier classes displayed in the second graphic. The second graphic shows the sequence view annotated by issues in geometry and electron density. Residues are color-coded according to the number of geometric quality criteria for which they contain at least one outlier: green = 0, yellow = 1, orange = 2 and red = 3 or more. A red dot above a residue indicates a poor fit to the electron density ($RSRZ > 2$). Stretches of 2 or more consecutive residues without any outlier are shown as a green connector. Residues present in the sample, but not in the model, are shown in grey.

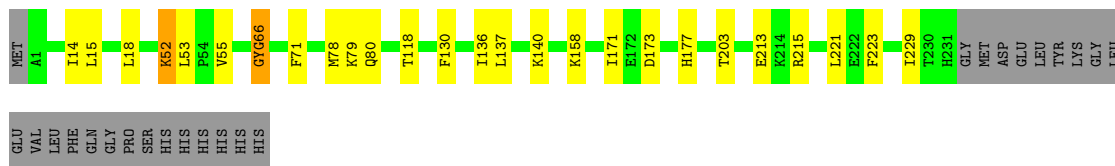
- Molecule 1: Green fluorescent protein

Chain A:  79% 11% 9%




- Molecule 1: Green fluorescent protein

Chain B:  80% 9% 9%




- Molecule 2: LaG43

Chain C:  74% 10% 14%



- Molecule 2: LaG43

Chain D:  75% 9% 14%



4 Data and refinement statistics i

Property	Value	Source
Space group	P 63	Depositor
Cell constants a, b, c, α , β , γ	149.44Å 149.44Å 127.01Å 90.00° 90.00° 120.00°	Depositor
Resolution (Å)	48.91 – 2.97 48.91 – 2.97	Depositor EDS
% Data completeness (in resolution range)	99.1 (48.91-2.97) 99.1 (48.91-2.97)	Depositor EDS
R_{merge}	0.12	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	1.13 (at 2.77Å)	Xtrriage
Refinement program	PHENIX 1.19.2_4158	Depositor
R, R_{free}	0.220 , 0.241 0.218 , 0.239	Depositor DCC
R_{free} test set	1996 reflections (4.93%)	wwPDB-VP
Wilson B-factor (Å ²)	70.0	Xtrriage
Anisotropy	0.004	Xtrriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.37 , 58.2	EDS
L-test for twinning ²	$\langle L \rangle = 0.51$, $\langle L^2 \rangle = 0.34$	Xtrriage
Estimated twinning fraction	0.427 for h,-h-k,-l	Xtrriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	11023	wwPDB-VP
Average B, all atoms (Å ²)	70.0	wwPDB-VP

Xtrriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 3.33% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.333 respectively for untwinned datasets, and 0.375, 0.2 for perfectly twinned datasets.

5 Model quality [i](#)

5.1 Standard geometry [i](#)

Bond lengths and bond angles in the following residue types are not validated in this section: NA, CL, CR2, GOL

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# $ Z > 5$	RMSZ	# $ Z > 5$
1	A	0.19	0/1855	0.43	2/2507 (0.1%)
1	B	0.19	0/1852	0.43	2/2504 (0.1%)
2	C	0.31	1/994 (0.1%)	0.42	1/1348 (0.1%)
2	D	0.31	1/996 (0.1%)	0.43	1/1349 (0.1%)
All	All	0.24	2/5697 (0.0%)	0.43	6/7708 (0.1%)

Chiral center outliers are detected by calculating the chiral volume of a chiral center and verifying if the center is modelled as a planar moiety or with the opposite hand. A planarity outlier is detected by checking planarity of atoms in a peptide group, atoms in a mainchain group or atoms of a sidechain that are expected to be planar.

Mol	Chain	#Chirality outliers	#Planarity outliers
2	C	0	2
2	D	0	2
All	All	0	4

All (2) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	C	29	PHE	CD1-CE1	5.15	1.54	1.38
2	D	29	PHE	CD1-CE1	5.14	1.54	1.38

The worst 5 of 6 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	B	158	LYS	CD-CE-NZ	9.57	142.52	111.90
1	A	158	LYS	CD-CE-NZ	9.56	142.50	111.90
1	A	52	LYS	CG-CD-CE	6.52	126.30	111.30
1	B	52	LYS	CG-CD-CE	6.52	126.30	111.30
2	D	119	GLN	CA-CB-CG	-5.20	103.70	114.10

There are no chirality outliers.

All (4) planarity outliers are listed below:

Mol	Chain	Res	Type	Group
2	C	119	GLN	Sidechain
2	C	29	PHE	Sidechain
2	D	119	GLN	Sidechain
2	D	29	PHE	Sidechain

5.2 Too-close contacts [i](#)

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry-related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	1831	1763	1772	21	0
1	B	1828	1765	1762	18	0
2	C	969	914	925	10	0
2	D	972	916	926	10	0
3	A	6	7	8	0	0
3	B	12	14	16	0	0
3	C	6	6	8	0	0
4	A	1	0	0	0	0
4	C	2	0	0	0	0
4	D	1	0	0	0	0
5	A	1	0	0	0	0
6	A	3	0	0	0	0
6	B	2	0	0	0	0
6	C	2	0	0	0	0
6	D	2	0	0	0	0
All	All	5638	5385	5417	59	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 5.

The worst 5 of 59 close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
2:C:53:TRP:O	2:C:72:ARG:NH1	2.09	0.85
2:D:53:TRP:O	2:D:72:ARG:NH1	2.09	0.85

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:A:213:GLU:OE2	1:A:215:ARG:NH1	2.12	0.83
1:B:213:GLU:OE2	1:B:215:ARG:NH1	2.12	0.82
1:B:78:MET:HE3	1:B:229:ILE:HG12	1.74	0.69

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	A	224/253 (88%)	214 (96%)	10 (4%)	0	100	100
1	B	224/253 (88%)	214 (96%)	10 (4%)	0	100	100
2	C	125/148 (84%)	119 (95%)	6 (5%)	0	100	100
2	D	123/148 (83%)	118 (96%)	5 (4%)	0	100	100
All	All	696/802 (87%)	665 (96%)	31 (4%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains [i](#)

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	198/219 (90%)	198 (100%)	0	100	100
1	B	197/219 (90%)	196 (100%)	1 (0%)	81	89

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Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
2	C	98/117 (84%)	96 (98%)	2 (2%)	48	75
2	D	99/117 (85%)	98 (99%)	1 (1%)	68	83
All	All	592/672 (88%)	588 (99%)	4 (1%)	76	87

All (4) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	B	52	LYS
2	C	74	ASN
2	C	96	CYS
2	D	96	CYS

Sometimes sidechains can be flipped to improve hydrogen bonding and reduce clashes. 5 of 8 such sidechains are listed below:

Mol	Chain	Res	Type
2	D	122	GLN
2	D	119	GLN
2	C	119	GLN
1	B	212	ASN
2	C	122	GLN

5.3.3 RNA [i](#)

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains [i](#)

2 non-standard protein/DNA/RNA residues are modelled in this entry.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	CR2	B	66	1	20,20,21	2.83	9 (45%)	25,27,29	2.54	5 (20%)

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
1	CR2	A	66	1	20,20,21	2.83	9 (45%)	25,27,29	2.56	5 (20%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
1	CR2	B	66	1	-	1/6/25/26	0/2/2/2
1	CR2	A	66	1	-	1/6/25/26	0/2/2/2

The worst 5 of 18 bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
1	A	66	CR2	C1-N2	6.01	1.42	1.32
1	B	66	CR2	C1-N2	5.98	1.42	1.32
1	B	66	CR2	CA2-C2	5.74	1.54	1.48
1	A	66	CR2	CA2-C2	5.73	1.54	1.48
1	A	66	CR2	C1-N3	5.62	1.46	1.37

The worst 5 of 10 bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(°)	Ideal(°)
1	A	66	CR2	O2-C2-CA2	-7.38	126.31	131.02
1	B	66	CR2	O2-C2-CA2	-7.29	126.37	131.02
1	B	66	CR2	C2-N3-C1	-6.92	104.97	108.08
1	A	66	CR2	C2-N3-C1	-6.90	104.97	108.08
1	A	66	CR2	CA2-C2-N3	4.79	107.52	103.50

There are no chirality outliers.

All (2) torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
1	A	66	CR2	C3-CA3-N3-C2
1	B	66	CR2	C3-CA3-N3-C2

There are no ring outliers.

2 monomers are involved in 6 short contacts:

Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	B	66	CR2	3	0

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Mol	Chain	Res	Type	Clashes	Symm-Clashes
1	A	66	CR2	3	0

5.5 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

5.6 Ligand geometry [i](#)

Of 9 ligands modelled in this entry, 5 are monoatomic - leaving 4 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the Chemical Component Dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	$\# Z > 2$	Counts	RMSZ	$\# Z > 2$
3	GOL	B	302	-	5,5,5	0.97	0	5,5,5	0.96	0
3	GOL	C	201	-	5,5,5	0.97	0	5,5,5	1.01	0
3	GOL	B	301	-	5,5,5	0.92	0	5,5,5	1.06	0
3	GOL	A	301	-	5,5,5	1.05	0	5,5,5	0.96	0

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the Chemical Component Dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
3	GOL	B	302	-	-	2/4/4/4	-
3	GOL	C	201	-	-	3/4/4/4	-
3	GOL	B	301	-	-	2/4/4/4	-
3	GOL	A	301	-	-	0/4/4/4	-

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

5 of 7 torsion outliers are listed below:

Mol	Chain	Res	Type	Atoms
3	B	301	GOL	O1-C1-C2-C3
3	C	201	GOL	O1-C1-C2-C3
3	B	302	GOL	O1-C1-C2-C3
3	B	301	GOL	O1-C1-C2-O2
3	B	302	GOL	O1-C1-C2-O2

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data [i](#)

6.1 Protein, DNA and RNA chains [i](#)

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ>2	OWAB(Å ²)	Q<0.9
1	A	228/253 (90%)	-1.17	0 100 100	45, 62, 108, 146	0
1	B	228/253 (90%)	-1.09	0 100 100	45, 63, 109, 145	0
2	C	127/148 (85%)	-1.10	1 (0%) 82 67	52, 65, 112, 143	0
2	D	127/148 (85%)	-1.11	1 (0%) 82 67	50, 66, 115, 143	0
All	All	710/802 (88%)	-1.12	2 (0%) 90 82	45, 64, 112, 146	0

All (2) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
2	C	127	GLY	3.3
2	D	129	GLU	2.1

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled ‘Q < 0.9’ lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
1	CR2	A	66	19/20	0.99	0.05	19,56,56,56	0
1	CR2	B	66	19/20	1.00	0.04	19,57,57,57	0

6.3 Carbohydrates [i](#)

There are no oligosaccharides in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	B-factors(Å ²)	Q<0.9
4	CL	C	202	1/1	0.97	0.05	93,93,93,93	0
3	GOL	B	301	6/6	0.98	0.06	74,84,99,99	0
3	GOL	B	302	6/6	0.98	0.06	74,83,94,94	0
3	GOL	C	201	6/6	0.98	0.07	4,4,78,78	0
4	CL	A	302	1/1	0.98	0.08	95,95,95,95	0
3	GOL	A	301	6/6	0.98	0.05	4,4,88,88	0
4	CL	C	203	1/1	0.99	0.07	88,88,88,88	0
4	CL	D	201	1/1	0.99	0.07	92,92,92,92	0
5	NA	A	303	1/1	0.99	0.04	48,48,48,48	0

6.5 Other polymers [i](#)

There are no such residues in this entry.